

Buffalo AirStation™ G54

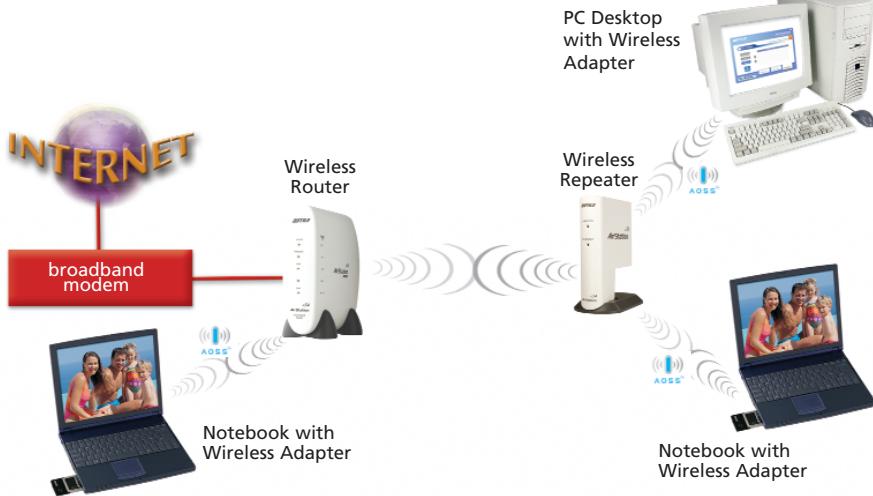
Wireless Router and Repeater Kit – WRB2-G54K

The Buffalo WRB2-G54K Wireless Router and Repeater Kit allows you to create your high-speed wireless broadband network and double your wireless range at the same time. The kit includes both the Buffalo WBR2-G54S 802.11g Broadband Wireless Router, and the WLA2-G54C 802.11g Wireless Repeater Bridge. Simply set up the router to connect to your cable or DSL modem, locate a spot for the repeater that provides maximum coverage, and plug the repeater in (no setup on the repeater required!). The WLA2-G54C repeater is pre-configured with Buffalo's WDS (Wireless Distribution System) that repeats your wireless signal and instantly doubles the range of your wireless network. Get twice the distance and lightning fast 54 Mbps* speeds for your home or office networks with the Buffalo Wireless Router and Repeater Kit.

- WLA2-G54C Repeater
- WBR2-G54S Router
- 802.11g 54 Mbps* High-Speed Wireless Data Rates
- No Configuration Required for the Repeater
- Doubles the Range of Your Wireless Network
- Access the Internet from Anywhere in Your Environment
- Cover "Dead Spots" or Extend Your Wired LAN
- Cable /DSL Modem
- Supports AirStation One-Touch Secure System™ for Quick Setup with AOSS-enabled Clients



AirStation G54
WRB2-G54K



AOSS™ automatically detects and configures
AOSS enabled wireless devices and clients
and seamlessly creates secure connections.

Technical Specifications

Wireless Router and Repeater Kit – WRB2-G54K

Wireless LAN

Standards Compliance	IEEE802.11b (Wireless LAN Standard) IEEE802.11g (Proposed Draft Standard)
Frequency Range	2,412 - 2,462 Mhz
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Security	128/64-bit WEP, password, MAC Address restriction
Access Mode	Infrastructure Mode, WDS (up to 6 units)
Antenna	Diversity Method (Internal)
Connector	MC Card
Output Power	15 dBm (32 mW)
Selectable Channels	11 Channels (3 non-overlapping)
Communication Protocol	Direct Sequence Spread Spectrum (DS-SS), Half Duplex, OFDM

Wired LAN and Others (for WBR2-G54S)

Interface	IEEE802.3 (10 Base-T/100 Base-TX)
Transmission Rate	10/100 Mbps (Autosense)
LAN Ports / Connector	Four (4) 10/100 Base-T RJ-45 Ports (Auto MDI/X)
Transmission Encoding	10 Base-T Manchester Coding:
Method	100 Base-TX 4B5B/MLT-3
Access Method	CSMA / CD
WAN Port / Connector	One (1) RJ-45 port
Power Supply	100-120 V AC 50/60 Hz DC 3.3v, 2.5A
Dimensions	3 x 6.75 x 6.1 in. (76 x 171 x 155 mm)
Weight	1 lb. (445 g)
Operating Environment	0-40°C, 20-80% Humidity (non-condensing)

Wired LAN and Others (for WLA2-G54C)

Interface	IEEE802.3 (10 Base-T/100 Base-TX)
Transmission Rate	10/100Mbps (Auto Sense)
LAN Ports / Connector	One (1) 10/100 Base-T RJ-45 ports (Auto MDI/X)
Transmission Encoding	10 Base-T Manchester Coding:
Method	100 Base-TX 4B5B/MLT-3
Access Method	CSMA/CD
Power Supply	100-120 V AC 50/60 Hz DC 3.3v, 2.5A
Dimensions	2.3 x 4.8 x 3.5 in. (58 x 120 x 89 mm)
Weight	4.4 oz. (100 g)
Operating Environment	0-35°C, 25-80% Humidity (non-condensing)



*54 Mbps is the IEEE 802.11g standard theoretical maximum data transfer rate. Actual wireless network throughput is limited by environmental and system factors and will be less.

†When operating in High-Speed Mode™, this Wi-Fi device achieves an actual throughput of up to 34.1 Mbps, which is the equivalent throughput of a system following 802.11g protocol and operating at a signaling rate of 125 Mbps.

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WRB2-G54K

Buffalo Technology (USA), Inc. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. With its expansion into the U.S. retail market, Buffalo offers home users a full suite of wireless home networking solutions such as its award-winning line of AirStation 54g products; its 125† High-Speed Mode™ 802.11g products; and its versatile line of 802.11a/b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

With its new AirStation One-Touch Secure System (AOSS™), Buffalo offers the ultimate in ease-of-use and security. The company's commitment to its customers and technological innovation has put Buffalo at the forefront of networking technology and is the foundation for its leading position among the top WLAN vendors worldwide.

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